

Spin relaxation of Mn ions in rare earth manganites in paramagnetic region

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Abstract

Role of bottlenecked spin relaxation and proportionality between small polaron hopping conductivity and electron paramagnetic resonance (EPR) linewidth (intensity) was emphasized. This idea gave a background for several experimental and theoretical investigations and it was starting point for its further generalization on variable range hopping conductivity and its influence on EPR linewidth in rare earth manganites. © Kazan Federal University (KFU).

Keywords

Bottlenecked spin relaxation, EPR, Rare-earth manganites